YORK Survey Supply

Nothing else measures up!

Prospect House
George Cayley Drive
Clifton Moor
York
England
YO30 4XE

Tel: +44 (0) 1904 692723
Fax: +44 (0) 1904 690385

E-Mail: sales@yorksurvey.co.uk

www.YorkSurvey.co.uk
...for secure online ordering of all our products!

Machine Control Receiver

YORK Survey Supply

Operating Instructions

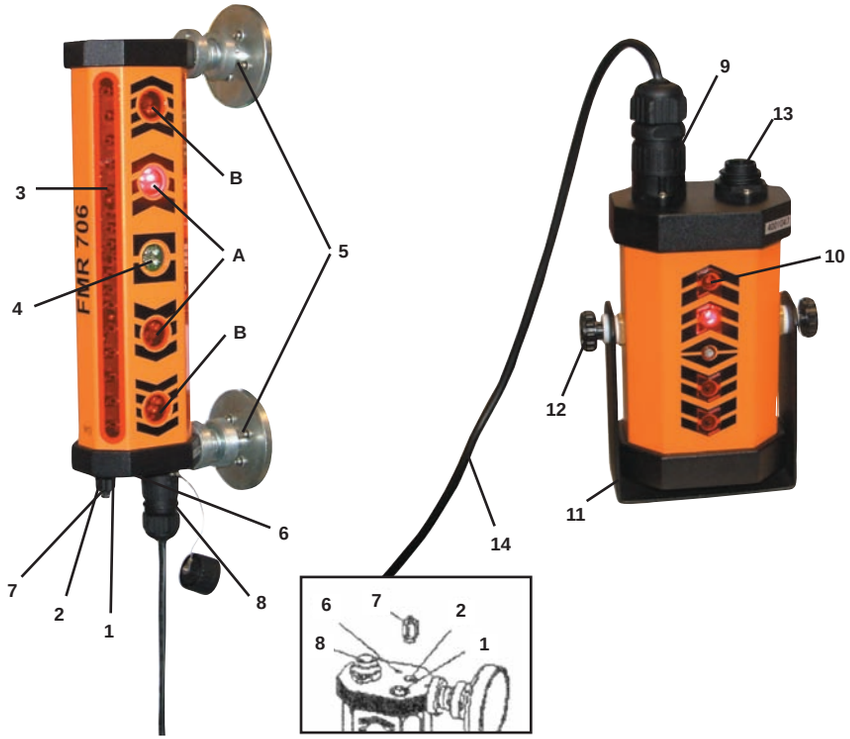
©York Survey Supply Centre 2010

• 360º Reception
• Length of receiving windows: 25cm
• Strong magnets for connection to the machine
• Detects beam from rotating laser levels of most brands
• Water- and dust-proof metal housing

Supplied with:
Machine control receiver FMR 706 with built-in rechargeable battery, charger, 12/24V battery cable, hard case, Display FRP 707 with connection cable.

FMR 706
Receiver

FRP 707
Display



1. ON/OFF switch
2. Socket for charger
3. Receiving windows (4x)
4. LED-Display
5. Fixing magnets
6. Charging indicator LED
7. Cover for socket
8. Socket for connection cable to FRP 707 or for 12/24V battery cable
9. Socket for connection cable to FMR 706
10. LED-Display
11. Bracket
12. Clamp Screw
13. Socket for 12/24V battery cable
14. Connection Cable
without picture:
- 12/24V battery cable
- Charger

Connection to the excavator - FMR 706 is equipped with strong magnets for attachment.

Switch on - Press 1x ON/OFF switch - all LEDs are flashing.
After switching on FMR 706 is in coarse detecting mode.
Pressing ON/OFF again switches unit between fine and coarse detecting mode.

Fine/coarse detection - Change with the ON/OFF switch
FINE = the two inner LEDs “A” are flashing three times
COARSE = the two outer LEDs “B” are flashing three times

Switch off - Press ON/OFF switch for 2 sec.

LED display -
2 upper red LEDs flashing = moveFMR 706 upwards
Middle green LED flashing = FMR 706 on level
2 lower LEDs flashing = move FMR 706 downwards

Display FRP 707 -
Connect FRP 707 and FMR 706 with the connecting cable (14) and sockets (8 & 9). Fix FRP 707 in the cabin of the machine. Now the receiver can be observed conveniently by the display even if the position of the receiver is above the cabin.

FRP 707 has no own power supply. It is powered by FMR 706.

Rechargeable battery and charger -
FMR 706 has a built-in 7.2V NiMH rechargeable battery pack.
If the red LEDs are flashing from the centre to outwards the battery needs to be charged. If not charged the FMR 706 switches off automatically.

Charging batteries -
Remove cover no.7 and connect with socket no.2 and power supply. Recommended charging time: 15hrs.

12/24V Battery cable -
Connect battery cable with socket no.8 (or if FMR 706 is connected to FRP 707 with socket no.13).
Then fix clamps on the car battery:
RED to positive pole (+) at battery
BLACK to negative pole (-) or to ground (engine block).

Technical Data
Accuracy fine: ±2mm - ±10mm
Accuracy coarse: ±5mm - ±23mm
Rechargeable batteries/Charger: 7.2V NiMH/2500mAh
Operating time: 40h
Charging time: 15h
Operating temperature: -20ºC - +50ºC
Size: 376 x 180 x 49mm
Weight: 3.1kg

©York Survey Supply Centre 2007